

Curriculum Vitae

DENIS A. LAROCHELLE

Department of Biology
Clark University
950 Main St.
Worcester, Massachusetts 01610-1477
Tel: (508) 793-7631
FAX (508) 793-7174
e-mail: dlarochelle@clarku.edu

ACADEMIC APPOINTMENTS:

2017-present Co-Chair, Prehealth Advisory Committee, Clark University, Worcester, MA.
2012-present Director, Biochemistry and Molecular Biology Program, Clark University, Worcester, MA.
2003-present Associate Professor, Department of Biology, Clark University, Worcester, MA.
1997-2003 Assistant Professor, Department of Biology, Clark University, Worcester, MA.
1994-1997 Postdoctoral Fellow, Department of Cell Biology, Duke University Medical Center, Durham, NC.
1991-1994 Postdoctoral Fellow, Department of Cancer Biology, Stanford University Medical Center, Stanford, CA and Bowman Gray School of Medicine, Winston-Salem, NC.

EDUCATION:

Ph.D. 1991 Department of Biological Sciences, Stanford University, Stanford, CA.
M.S. 1985 Department of Zoology, University of New Hampshire, Durham, NH.
B.A. 1983 Department of Zoology, University of New Hampshire, Durham, NH.

FELLOWSHIPS, AWARDS, and HONORS:

2017 Sherman Fairchild Foundation. "Interdisciplinary summer science research: building a unified program." \$247,500. Assumed PI responsibilities in year 2 of a 3-year grant.
2016 Faculty Development Award, Clark University
2013 Faculty Development Award, Clark University
2010 Nuclea Biomarkers, Inc. Renewal of "Dictyostelium-based screen for novel drugs." \$125,000
2009 Nuclea Biomarkers, Inc. "Dictyostelium-based screen for novel drugs." \$125,000

- 2008 Faculty Development Award, Clark University
 2004 Faculty Development Award, Clark University
 2004 Establishment of the Endowed Undergraduate Research Fund in Honor of Denis A. Larochelle.
 2002-05 National Science Foundation. "Characterization of a novel regulatory protein required for cytokinesis." \$309,028.
 2001 Faculty Development Award, Clark University
 2000 National Science Foundation Multi-User Grant. "Microscopy imaging system for Department of Biology at Clark University." \$42,454.
 1999-2002 National Institutes of Health AREA Grant. "The racE pathway in the regulation of cytokinesis." \$110,325.
 1998 Faculty Development Award, Clark University
 1992 National Cancer Center Postdoctoral Fellowship, Stanford University
 1991 Cancer Biology Training Grant Postdoctoral Fellowship, Stanford University
 1988 Marine Biological Laboratory Scholarship, Woods Hole, MA
 1988 Myers Grant, Stanford University
 1983 Friends of Hopkins Scholarship, Stanford University
 1982 Elected to Phi Beta Kappa
 1982 Harry G. Bickwell Award, University of New Hampshire
 1979-1982 Wagner-Hosser Scholarship, University of New Hampshire

PROFESSIONAL SOCIETIES:

National Association of Advisors for the Health Professions
 Northeast Association of Advisors for the Health Professions
 American Society for Cell Biology
 American Society for Microbiology
 Sigma Xi
 Phi Beta Kappa

PUBLICATIONS:

- Batsios, P., X. Ren, O. Baumann, **D.A. Larochelle**, and R. Graf (2016). Src1 is a protein of the inner nuclear membrane interacting with the *Dictyostelium* lamin NE81. *Cells* 5(1):13 pages.
- Mana-Capelli, S. R. Graf, and **D.A. Larochelle** (2010). *Dictyostelium* Centrin B localization during cell cycle progression. *Communicative and Integrative Biology* 3(1):39-41.
- Mana-Capelli, S., R. Graf, and **D.A. Larochelle** (2009). *Dictyostelium discoideum* CenB is a *bona fide* centrin essential for nuclear architecture and centrosome stability. *Eukaryotic Cell* 8(6):1106-1117. COVER ARTICLE

- Hiong, H., F. Rivero, U. Euteneuer, S. Mondal, S. Mana-Capelli, **D.A. Larochelle**, Vogel, B. Gassen, and A. Noegel (2008). Sun-1 connects the centrosome to chromatin and ensures genome stability. *Traffic* 9:1-17.
- Agarwal, M., N. Guerin, and **D.A. Larochelle** (2004). Chimeric analysis of the small GTPase RacE in cytokinesis signaling in *Dictyostelium discoideum*. *Experimental Cell Research* 295:226-235.
- Abysalh, J.C., L.L. Kuchnicki and **D.A. Larochelle** (2003) The identification of Pats1, a novel gene locus required for cytokinesis in *Dictyostelium discoideum*. *Molecular Biology of the Cell* 14:14-25.
- Guerin, N. and **D.A. Larochelle** (2002). A user's guide to restriction enzyme-mediated integration in *Dictyostelium*. *Journal of Muscle Research and Cell Motility* 23(7-8): 597-604.
- Agarwal, M., D.J. Nelson, and **D.A. Larochelle** (2002). The three dimensional model of *Dictyostelium discoideum* RacE based on the human RhoA-GDP crystal structure. *Journal of Molecular Graphics and Modeling* 21:3-18.
- Neicu, T., A. Pradham, **D.A. Larochelle**, and A. Kudrolli (2000). Extinction transition in bacterial colonies under forced convection. *Physical Review E* 62(1):1059-1062.
- Larochelle, D.A.**, N. Gerald, and A. De Lozanne (2000). Molecular analysis of racE function in *Dictyostelium*. *Microscopy Research and Techniques - The Biology of Cytokinesis* 49(2):145-151.
- Kwak, E.L., N. Gerald, **D.A. Larochelle**, K.K. Vithalani, M.L. Niswonger, M. Maready, and A. De Lozanne (1999). LvsA, a protein related to the mouse beige protein, is required for cytokinesis in *Dictyostelium*. *Molecular Biology of the Cell* 10:4429-4439.
- Vithalani, K.K., C.A. Parent, E.M. Thorn, M. Penn, **D.A. Larochelle**, P.N. Devreotes, and A. De Lozanne (1998). Identification of darlin, a *Dictyostelium* protein with *armadillo*-like repeats that binds to small GTPases and is important for the proper aggregation of developing cells. *Molecular Biology of the Cell* 9:3095-3106.
- Larochelle, D.A.**, K.K. Vithalani and A. De Lozanne (1997). The role of *Dictyostelium* racE in cytokinesis: Mutational analysis and localization studies by use of green fluorescent protein. *Molecular Biology of the Cell* 8:935-944.
- Larochelle, D.A.**, K. Vithalani and A. De Lozanne (1996). A novel member of the rho family of small GTP-binding proteins is specifically required for cytokinesis. *J. Cell Biology* 133:1321-1329.

Burns, C.G., **D.A. Larochele**, H. Erickson, M. Reedy and A. De Lozanne (1995). Single-headed myosin II acts a dominant negative mutation in *Dictyostelium*. Proceedings of the National Academy of Sciences 92:8244-8248.

Kwak, E.K., **D.A. Larochele**, C. Beaumont, S.V. Torti, and F.M. Torti (1995). Role for NF-kB in the regulation of ferritin H by tumor necrosis factor-alpha. J. Biological Chemistry 270(25):15285-15293.

Larochele, D.A. and D. Epel (1993). Myosin heavy chain dephosphorylation during cytokinesis in dividing sea urchin embryos. Cell Motility and the Cytoskeleton 25(3):369-380.

Larochele, D.A. and D. Epel (1991). *In vivo* protein phosphorylation and labeling of ATP in sea urchin eggs loaded with $^{32}\text{PO}_4$ via electroporation. Developmental Biology 148:156-164.

Epel, D., R. Swezey and **D.A. Larochele** (1990). Analysis of metabolic activation at fertilization using permeabilized sea urchin embryos. Advances in Invertebrate Reproduction 5:125-131.

Walker, C.W. and **D.A. Larochele** (1984). Interactions between germinal and somatic accessory cells of the spermatogenic epithelium of *Asterias vulgaris* *in vivo* and *in vitro*. Advances in Invertebrate Reproduction 3:41-52.

MANUSCRIPTS SUBMITTED:

Steenwyk, J.L., J. St. Denis, J.M. Dresch, **D.A. Larochele**, and R.A. Drewell (2017). Whole genome bisulfite sequencing reveals a sparse, but robust pattern of DNA methylation in the *Dictyostelium discoideum* genome. Submitted to Biology Open.

MEETING PRESENTATIONS:

D.A. Larochele. DdCenB, DdSrc1, and the Dictyostelium nuclear envelope. Talk given at the Northeast Nuclear Envelope Meeting, Yale University, September 16, 2016

Xiang Ren, Elizabeth Nelson, Ying Ge Wang, Petros Batsios, Ralph Graf, and **Denis Larochele**. Identification of the nuclear membrane targeting signal of DdSrc1 in Dictyostelium discoideum. Poster presentation at BAMMstock, the third annual meeting of the Boston Area Mitosis and Meiosis Community, Whitehead Institute, May 5, 2016.

Ren, X., E. Nelson, Y-G. Wang, P. Batsios, R. Graf, and **D.A. Larochele** (2015). Identification of the nuclear membrane targeting signal of DdSrc1 in *Dictyostelium discoideum*. 2015 Annual Meeting of the American Society for Cell Biology.

- Ren, X., E. Nelson, **D.A. Larochelle** (2015). Src1 and the *Dictyostelium discoideum* nucleus. BAMMstock, second annual meeting of the Boston Area Mitosis and Meiosis Community.
- Ren, X., Y-G. Wang, and **D.A. Larochelle** (2014). Initial characterization of DdLem2, the first LEM protein identified in *Dictyostelium discoideum*. 2014 Annual Meeting of the American Society for Cell Biology.
- Ren, X. **D.A. Larochelle** (2013). Inducible expression and repression of DdCenA in *Dictyostelium discoideum*. 2013 Annual Meeting of the American Society for Cell Biology.
- Mana-Capelli, S., J. Lui, and **D.A. Larochelle** (2012). XPC-centrin interactions in *Dictyostelium*. 51st Annual Meeting of the American Society for Cell Biology.
- Burrows, S.D. and **D. A. Larochelle** (2010). A novel gene associated with cellular adhesion in *Dictyostelium discoideum*. 50th Annual Meeting of the American Society for Cell Biology.
- Mana-Capelli, S., P. Bennett, and **D.A. Larochelle** (2009). *Dictyostelium* Centrin B interacts with chromatin and the nuclear envelope. 49th Annual Meeting of the American Society for Cell Biology.
- Burrows, S.D. and **D. A. Larochelle** (2009). A novel gene associated with cellular adhesion in *Dictyostelium discoideum*. 49th Annual Meeting of the American Society for Cell Biology.
- Mana-Capelli, S. and **D.A. Larochelle** (2008). Loss of *Dictyostelium* Centrin B results in centrosome and nuclear abnormalities. 48th Annual Meeting of the American Society for Cell Biology.
- Larochelle, D. A.** and S. Mana-Capelli (2008). Centrin B and the *Dictyostelium* centrosome. New Perspectives on Development & Development-Environment Interactions: A Symposium in Honor of the Career & Contributions of David Epel.
- Mana-Capelli, S. and **D.A. Larochelle** (2007). Mutational analysis of *Dictyostelium* Centrin B and its role in cell division. 47th Annual Meeting of the American Society for Cell Biology
- Mana-Capelli, S. and **D.A. Larochelle** (2006). DdCenB, a unique centrin with predominant nuclear localization. 46th Annual Meeting of the American Society for Cell Biology.
- Mana-Capelli, S. and **D.A. Larochelle** (2004). Silencing by RNAi in *Dictyostelium discoideum*. 44th Annual Meeting of the American Society for Cell Biology.

- Mana-Capelli, S. and **D.A. Larochelle** (2004). Development of RNAi as a silencing tool in *Dictyostelium discoideum*. 2004 International *Dictyostelium* Conference.
- Agarwal, M. and **D.A. Larochelle** (2002). Evidence of dimerisation of the small G protein racE in *Dictyostelium discoideum*. 42nd Annual Meeting of the American Society for Cell Biology. *Molecular Biology of the Cell*, 13:30a.
- Abysalh, J.C., L.L. Kuchnicki, and **D.A. Larochelle** (2001). Characterization of a novel gene required for cytokinesis in *Dictyostelium*. 41st Annual Meeting of the American Society for Cell Biology. *Molecular Biology of the Cell*, 12:51a.
- Agarwal, M., N. Guerin, and **D.A. Larochelle** (2001). Chimeric analysis of *Dictyostelium discoideum* racE in cytokinesis. 41st Annual Meeting of the American Society for Cell Biology. *Molecular Biology of the Cell*, 12:413a.
- Agarwal, M., D.J. Nelson, and **D.A. Larochelle** (2000). The three-dimensional model of *Dictyostelium discoideum* racE based on the human rhoA crystal structure. 40th Annual Meeting of the American Society for Cell Biology. *Molecular Biology of the Cell*, 11:338-339a.
- Kuchnicki, L. and **D.A. Larochelle** (1999). Isolation of a new cytokinesis mutant in *Dictyostelium*. 39th Annual Meeting of the American Society for Cell Biology. *Molecular Biology of the Cell*. 10(S):263a.
- De Lozanne, A., N. Gerald, E. Kwak, **D.A. Larochelle**, K. Vithalani, M.L. Niswonger, and M. Maready (1999). New frontiers in cytokinesis: The role of Biege-related proteins in cell division. 39th Annual Meeting of the American Society for Cell Biology. *Molecular Biology of the Cell*. 10(S):239a.
- Gerald, N., E. Kwak, **D. Larochelle**, K. Vithalani, and A. De Lozanne (1999). LvsA is a large cytosolic protein that is required for proper cleavage furrow morphology in *Dictyostelium*. 39th Annual Meeting of the American Society for Cell Biology. *Molecular Biology of the Cell*. 10(S):263a.
- Gerald, N.J., E. Kwak, **D. Larochelle**, K. Vithalani, and A. De Lozanne (1999). *Dictyostelium* cells with mutations in *lvsA* have defects in cleavage furrow morphology. 1999 International *Dictyostelium* Conference.
- Neicu, T., A. Pradhan, **D. Larochelle**, and A. Kudrolli (1999). Experiments on pattern formation in bacterial colonies under convection. American Physical Society Centennial Meeting. *Bulletin of the American Physical Society*, 44(1) part II:1387.
- Larochelle, D.A.**, N. Gerald, E. Kwak, K. Vithalani, and De Lozanne A. (1998). LvsA, a protein related to the mouse beige protein, is essential for cytokinesis in

Dictyostelium. 38th Annual Meeting of the American Society for Cell Biology. Molecular Biology of the Cell 9(S):400a.

Gerald, N., E. Kwak, **D. Larochelle**, K. Vithalani, D. Wessels, D.R. Soll, and A. De Lozanne (1998). The *Dictyostelium* LvsA protein is required for cleavage furrow formation during cytokinesis. 38th Annual Meeting of the American Society for Cell Biology. Molecular Biology of the Cell 9(S):399a.

Larochelle, D.A. (1996). Understanding cytokinesis: a molecular genetic approach. Memorial Symposium in Honor of Professor Daniel Mazia: Cell Biology at the Cellular Level.

Larochelle, D.A., N.K. Gerald, K.K. Vithalani, and A. De Lozanne (1996). Localization and mutational analysis of *racE* in dividing *Dictyostelium* cells. 36th Annual Meeting of the American Society for Cell Biology. Molecular Biology of the Cell 7(S).

Larochelle, D.A., K. Vithalani and A. De Lozanne (1995). RacE, a novel member of the rho family of proteins required for cytokinesis in *Dictyostelium discoideum*. 35th Annual Meeting of the American Society for Cell Biology. Molecular Biology of the Cell 6(S).

Larochelle, D.A. and D. Epel (1990). Protein phosphorylation and the fate of ³²P-PO₄ during fertilization and first cleavage in sea urchin eggs loaded by transient electrical permeabilization. 30th Annual Meeting of the American Society for Cell Biology. J. Cell Biology, 111:112a.

Larochelle, D.A. and C.W. Walker (1984). Changing properties of somatic accessory and germinal cells during the amitotic/mitotic and premeiotic/meiotic transitions of spermatogenesis in *Asterias vulgaris*. Fifth International Echinoderm Conference, Galway Ireland. Echinodermata. Eds. Keegan and O'Connor, pg 595.

INVITED LECTURES and SEMINARS:

Slime Mold, Cell Division, and Drug Discovery. Presented as part of a seminar series for advanced science students at Wachusett Regional High School, November 1, 2011.

Slime Mold, Cell Division, and Drug Discovery. Presented at the Nuclea Summer Science Institute. Berkshire Community College, July 26, 2011.

Dictyostelium as a model organism. Presented to the Mycology class at Worcester State University, Worcester, Massachusetts. February 11, 2011

Cytokinesis and what we can learn from giant amoebas. New England Complex Fluids Workgroup. June 9, 2006

Cell division, molecular genetics, and giant amoebas. Keynote speaker at the 2006 Workshop on Cell Biology, sponsored by MBTA (Massachusetts Biology Teachers Association). April 1, 2006

Cytokinesis in *Dictyostelium*. Presented to the Department of Molecular Medicine, University of Massachusetts Medical School. March 5, 2004

Molecular genetics, cell division, and giant amoebas. Presented to the Department of Biology, College of the Holy Cross, Worcester, Massachusetts. April 9, 2002.

Amoebas from hell, and what they can teach us about cell division. Presented to the Department of Biological Sciences, University of Rhode Island, Kingston, Rhode Island. January 22, 2001.

History of Molecular Biology. A week-long course presented at the University for Europe, Tuzla, Bosnia-Herzegovina. July 17-22, 2000.

Cell division and slime mold - a molecular genetic approach. Presented to the Department of Zoology, University of New Hampshire, Durham, New Hampshire. April 7, 2000.

Dictyostelium, a fungal model system for research in cell biology. Presented to the Mycology class at Worcester State University, Worcester, Massachusetts. October 18, 1999.

Modern aspects of cell biology. A week-long course presented at the Summer University Tuzla, Tuzla, Bosnia-Herzegovina. July 16-22, 1999.

A molecular genetic approach to cell division. Presented to the Department of Cell Biology, Harvard University Medical School, Boston, Massachusetts. May 27, 1999.

Understanding cell division at the molecular level. Presented to the Department of Biology, Union College, Schenectady, New York. May 12, 1998.

The actin cytoskeleton & cell movement and motility. Presented to the Eukaryotic Cell and Developmental Biology class at the University of New Hampshire, Durham, New Hampshire. April 22, 1996.

COURSES TAUGHT AT CLARK UNIVERSITY:

Introduction to Biology I w/ J. Thackeray (Bio 101): Fall 1999, 2000, 2001, 2002, 2003, 2004
Introduction to Biology II w/ Susan Foster and T. Leonard (Bio 102): Spring 1998, 2008.
Cell Biology (Bio 137): Fall 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2006, 2007, 2008, 2009, 2010, 2012, 2013, 2014, 2015, 2016, 2017.
Developmental Biology (Bio 221): Spring 1999, 2000, 2002, 2004, Fall 2007.

Recombinant DNA (BCMB 231): Spring 2004, 2005, 2007, 2008, 2009, 2010, 2011, 2013, 2014, 2015, 2016, 2017.
Signal Transduction (Bio 234): Fall 1998 (w/ J. Thackeray), Spring 2003, 2005, 2006, 2010, 2013, 2015, 2017.
Seminar in Cell Biology (Bio 238): Spring 2000, 2002, 2003, 2007, 2009, 2011, 2014, 2016.
Tomorrow's Medicine Today w/ other faculty members: Summer 1998, 2007.

GRADUATE STUDENTS ADVISED AT CLARK UNIVERSITY:

Jonathan Abysalh: M.A. graduated May, 2002.
Madhavi Agarwal: Ph.D. graduated May, 2004
Michael Batten: M.A. graduated May 2013.
Lauren Beaudin: M.S. graduated 2014.
Stephen Burrows: Ph.D. graduated May 2013.
Sarah Deroko: M.A. graduated May, 2004.
Catherine Foley: M.A. graduated May 2007
Alexandr Gaun: M.S. graduated 2014.
Brandon Gaytan: M.A. graduated May 2008
Nicholas Guerin: M.A. graduated May, 2002.
Monifa Fahie: M.A. incomplete.
Ensar Halilovic: M.A. graduated May, 2002.
Eun-Mi Jeong: PhD, current.
Mark Joubert: M.A. graduated May 2006.
Lisa Kuchnicki,: M.A. graduated May, 2000.
Chantel Lafond: Ph.D. left the program in 2010.
Kyle Lewis: M.S. left the program.
Jason Lui: M.A. graduated May 2013.
Sebastian Mana-Capelli: Ph.D. graduated May 2010.
Elizabeth Nelson: M.S. graduated summer 2017.
Shivani Patel: M.S. graduated summer 2017.
Allen Roth: M.S. graduated fall 2015.
Jeff Stanmyer: M.S. graduated fall 2015.
James St. Denis: graduated summer 2017.
Xiang Ren: Ph.D. graduated spring 2016.
Xiaoling Yang: M.A. graduated May 2013.

HONORS STUDENTS ADVISED AT CLARK UNIVERSITY:

Adamiak, Lian: Highest Honors, May 1999. Isolation of a cytokinesis mutant (24AA9) in *Dictyostelium* cells using REMI.
Adams, Daniel: Honors, May 2007. *Dictyostelium discoideum* CenB: a mutational analysis.
Davis, Jesse: Highest Honors, May 2006. Investigation of the *Dictyostelium discoideum* Pats1 protein.
Deroko, Sarah: Highest Honors, May 2003. Analysis of Pats1 in *Dictyostelium discoideum*.

- Guerin, Nicholas: Highest Honors, May 2001. The characterization of a novel mutant defective in cell division.
- Halilovic, Ensar: High Honors, May 2000. The design and synthesis of new plasmids for REMI screening and Cloning of human genes for expression in cytokinesis-deficient *Dictyostelium* cells.
- Kuchnicki, Lisa: Highest Honors, May 1999. The isolation of cytokinesis-deficient *Dictyostelium discoideum* cells via restriction enzyme mediated integration of pRHI30.
- Lui, Jason: High Honors, May 2011. Knockout of Rad4 gene in *Dictyostelium discoideum*.
- Peragallo, Rachel: Highest Honors May 2001. Inhibition of Endothelial Cell Migration by Endostatin.
- Somberg, Andrew: Highest Honors, May 2004. Isolation and Characterization of a New Cell Division Defective Cell Line.
- Vecchione, James J: Highest Honors, May 2005. The Molecular Characterization of the pats1 Gene and its Role in Cytokinesis.
- Wang, Ying Ge: High Honors, May 2016. Investigation of Cdk1 Site of an Inner Nuclear Membrane Protein, Src1, in *Dictyostelium discoideum*.

UNDERGRADUATE STUDENTS WHO HAVE PARTICIPATED IN LAB RESEARCH:

- Abysalh, Jonathan: 2000-2002.
- Adamiak, Lian: 1999.
- Adams, Dan: 2006-2007.
- Badon, Mary: 2002-2005.
- Batten, Michael: 2008-2012.
- Beaudin, Lauren: 2011-2012.
- Berthel, Derek: 2005-2006.
- Basnet, Sweta: 2016-current.
- Brownstein, Kole: 2017-current.
- Bucaro, Hector: 2016-current.
- Castelli, Michael: 2010.
- Courtney, Daniel: 2009.
- Davis, Jesse: 2004 – 2006.
- DeBrosse, Madeleine: 2012-2013.
- Deroko, Sarah: 2001-2004.
- Dydyn, Jessica: 1999.
- Fahie, Monifa: 2008-2011.
- Foley, Catherine: 2005-2007.
- Gaudette, Sunny: 2009-2010.
- Gaun, Alexsander: 2012-2013.
- Gaytan, Brandon: 2006-2008.
- Gelashvili, Zaza: 2017-current.
- Grimaldi, David: 2009-2011.
- Guerin, Nicholas: 1997-2002.
- Halilovic, Ensar: 1999-2001.

Hartman, Jacob: 2015.
Karetskiy, Viktor: 2001-2005.
Kaufman, Jared: 2011.
Kuchnicki (Cutler), Lisa: 1999-2000.
Kupstas, Kayla: 2017-current.
Lam, Aileen: 2016-2017.
Lewis, Kyle: 2013-2014.
Lui, Jason: 2008-2011.
Nelson, Elizabeth: 2014-2017.
Nguyen: Tram: 2016-2017.
Magal, Rotem: 2014-2015.
Marchand, Lindsey: 2007-2008
McLoughlin, Amanda: 2008.
Moore, John: 2002-2004.
Morales, Christopher: 2017-current
Nelkenbaum, Annette: 2008-2009.
Oyem, Precious: 2015-2017.
Paraguasso de Mello, Julia: 2012-2013.
Patel, Shivani: 2014-2017t.
Peragallo, Rachel: 2001.
Roth, Allen: 2013-2014.
Schulz, Kayli: 2015.
Seedhom, Mina: 2000.
Stanmyer, Jeff: 2013-2014.
St. Denis, James: 2013-2015.
Six, Jennifer: 2013-2014.
Somberg, Andrew: 2001-2004.
Tam, Karen: 1999.
Timmreck, Jennifer: 2007-2009
Vecchione, James: 2003-2005.
Wang, Ying Ge: 2013-2016.
Zorn, Sam: 2011-2013.

SPREE DAY POSTERS PRESENTED BY UNDERGRADUATE STUDENTS:

- 2017 – Investigation of the nuclear localization of DdSrc1 in *Dictyostelium discoideum*. Siu Ting Lam and Hector Bucaro.
2017 – DNA methylation in *Dictyostelium discoideum*. Precious Oyem.
2017 – Localization and interaction of Rad4wt mutants in *Dictyostelium*. Tram-Ahn Nguyen.
2016- Identification of the Nuclear Membrane Targeting Signal of DdSrc1 in *Dictyostelium discoideum*. Elizabeth Nelson & Ying Ge Wang.
2016- Investigation of CDK1-site in Src1 in *Dictyostelium discoideum*. Ying Ge Wang.
2016- Exploring the interaction between CenB and Rad4. Shivani Patel.
2015- Identification of the Potential Zinc Finger Motif in *Dictyostelium discoideum* Ima1 Protein. Ying Ge Wang and Liz Nelson.

- 2015- Cell Printing: A Novel Quantitative Assay. James St. Denis.
- 2014- Cell Printing: A Novel Quantitative Assay. James St. Denis.
- 2013- Cloning of DdCDC20. Kyle Lewis.
- 2013- Identifying Binding Partners of Nuf2 in *Dictyostelium discoideum*. Jenny Six.
- 2013- Interactions Between CentrinB and Rad4 in *Dictyostelium discoideum*. Jeff Stanmyer.
- 2012- Investigation of DdFik1 by RNAi and Gene Knockout Approaches. Lauren Beaudin.
- 2011- Knock out of Rad4 gene in *Dictyostelium discoideum*. Jason Lui.
- 2011- The characterization of the Kif1 gene in *Dictyostelium discoideum*. David Grimaldi.
- 2010- Drug Discovery High-Throughput Screening for Compounds Which Affect Cell Division. Monifa Fahie, Subash Baniya, Jason Lui.
- 2007 - Generation of a Centrin B knockout in *Dictyostelium discoideum*. Brandon Gaytan.
- 2007- Mutational analysis of *Dictyostelium* centrin B. Dan Adams.
- 2006 - Exploration of *Dictyostelium* as a model system for the development of anti-amoebic drugs. Catherine Foley.
- 2006 – Hsc70 interacts with the myotubularin-related domain of the *Dictyostelium* Pats1 protein. Jesse Davis.
- 2005- The Investigation and Characterization of the Myotubularin-Related Domain of Pats1. Jesse Davis.
- 2005 - Search for Centrosomal Genes in *Dictyostelium discoideum*. Viktor Karetzkiy.
- 2004 - Isolation and Characterization of a New Cell Division Defective Cell Line. Andrew Somberg.
- 2004 - Pats1 Gene Sequence Characterization. John Moore.
- 2004 – Understanding the Pats1 Gene and its Involvement in the Molecular Regulation of Cytokinesis. James Vecchione.
- 2003 - Analysis of Pats1 in cytokinesis through anti-peptide antibodies. Sarah Deroko.
- 2003 - Analysis of centrosome function in *Dictyostelium discoideum*. Mary Badon.
- 2002 - Isolation and characterization of six new cell division defective cell lines. Sarah Deroko and Andrew Somberg.
- 2001 - The characterization of a novel mutant defective in cell division. Nicholas Guerin.
- 2001 - Inhibition of endothelial cell migration by endostatin. Rachel Peragallo (in collaboration with Sarah Short and Bruce Zetter).
- 2000 - The isolation of a novel mutant defective in cell division. Nicholas Guerin.
- 2000 - Disruption of the 17HG5 gene locus in wild-type *Dictyostelium* cells. Rachel Peragallo.
- 2000 - Attempts to clone the disrupted gene from the 24AA9 mutant cell line. Jonathan Abysalh.
- 2000 - Expression of mammalian genes in cytokinesis-deficient *Dictyostelium* cells. Ensar Halilovic.
- 1999 - The isolation of cytokinesis-deficient *Dictyostelium* mutants by REMI. Lian Adamiak and Lisa Cutler.
- 1999 - The design and synthesis of new plasmids for REMI screening. Nick Guerin and Ensar Halilovic.

UNIVERSITY-WIDE COMMITTEES SERVED ON:

- 1998-1999: The Convocation and Academic Orientation Committee
- 1998-2002: The Risk Management/Safety Committee
- 2000-2001: The College Board

2001-2004: The Graduate Board

2006-2009: Admissions Committee (chair in last year)

2006-current: Premedical/Pre dental Advisory Committee

2010-2013: Undergraduate Academic Board

2010-2011: Coordinating Committee for development of next Five Year Academic and Financial
Plan

2015-2016: Faculty Review Committee